Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	ITG (International Textile Group)
Facility Name:	ITG/ Burlington Industries LLC - Hurt Plant
Facility Location:	797 Main Street Hurt, Virginia 24563
Registration Number:	30379
Permit Number:	SCRO-30379

____"Draft"_____
Effective Date

_____
Expiration Date

_____
Regional Director

_____
Signature Date

Table of Contents, 3 pages
Permit Conditions, 39 pages

Table of Contents

I. FACILITY INFORMATION 5

II. EMISSION UNITS 6

III. FUEL BURNING EQUIPMENT REQUIREMENTS – ERIE CITY BOILER (BL1) 9

A. LIMITATIONS 9
B. PERIODIC MONITORING 9
C. RECORDKEEPING 10

IV. FUEL BURNING EQUIPMENT REQUIREMENTS – B & W BOILER (BL2) 11

A. LIMITATIONS 11
B. PERIODIC MONITORING 11
C. RECORDKEEPING AND REPORTING 12

V. FUEL BURNING EQUIPMENT REQUIREMENTS – KEYSTONE BOILER (BL3) 13

A. LIMITATIONS 13
B. PERIODIC MONITORING 13
C. RECORDKEEPING 14

VI. PROCESS EQUIPMENT REQUIREMENTS – TENTER FRAMES (TF1, TF2, AND TF6) 14

A. LIMITATIONS 14
B. PERIODIC MONITORING 15
C. RECORDKEEPING 15

VII. PROCESS EQUIPMENT REQUIREMENTS – TENTER FRAMES (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, AND TF16) 16

A. LIMITATIONS 16
B. PERIODIC MONITORING 16
C. RECORDKEEPING 17

VIII. PROCESS EQUIPMENT REQUIREMENTS – TF17 MONFORTS TENTER FRAME AND DR8 SANTEX DRYER 17

A. LIMITATIONS 17
B. PERIODIC MONITORING 18
C. RECORDKEEPING 19

IX. PROCESS EQUIPMENT REQUIREMENTS – DR9 RELAXED DRYER 19

A. LIMITATIONS 19
B. PERIODIC MONITORING 20
C. RECORDKEEPING 20

X. PROCESS EQUIPMENT REQUIREMENTS –MONFORTS TENTER FRAME (TF18) 21

A. LIMITATIONS 21
B. PERIODIC MONITORING 21
C. RECORDKEEPING 22

XI. PROCESS EQUIPMENT REQUIREMENTS –MONFORTS TENTER FRAME (TF20) 22

A. LIMITATIONS 22
B. PERIODIC MONITORING 24
C. RECORDKEEPING 25

XII. PROCESS EQUIPMENT REQUIREMENTS – SS1 AND SS2 SODIUM SULFATE STORAGE 25

A. LIMITATIONS 25
B. PERIODIC MONITORING 26
C. RECORDKEEPING 27

XIII. PROCESS EQUIPMENT REQUIREMENTS – WASTEWATER TREATMENT (WW) 27

A. RECORDKEEPING 28

XIV. PROCESS EQUIPMENT REQUIREMENTS – (FABRIC FINISHING) 28

A. LIMITATIONS 28
B. PERIODIC MONITORING 30
C. RECORDKEEPING 31

XV. MACT CONDITIONS FOR FABRIC AND TEXTILE DYEING AND FINISHING OPERATIONS 32

A. LIMITATIONS 32
B. NOTIFICATIONS 32
C. REPORTING REQUIREMENTS 32
D. RECORDKEEPING 32

XVI. FACILITY WIDE CONDITIONS FOR HAZARDOUS AIR POLLUTANT EMISSION 32

A. LIMITATIONS 33

XVII. INSIGNIFICANT EMISSION UNITS 33

XVIII. PERMIT SHIELD & INAPPLICABLE REQUIREMENTS 34

XIX. GENERAL CONDITIONS 34

A. FEDERAL ENFORCEABILITY 34
B. PERMIT EXPIRATION 34
C. RECORDKEEPING AND REPORTING 35
D. ANNUAL COMPLIANCE CERTIFICATION 36
E. PERMIT DEVIATION REPORTING 37
F. FAILURE/MALFUNCTION REPORTING 37
G. SEVERABILITY 38

H. DUTY TO COMPLY 38
I. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE 38
J. PERMIT MODIFICATION 38
K. PROPERTY RIGHTS 38
L. DUTY TO SUBMIT INFORMATION 38
M. DUTY TO PAY PERMIT FEES 39
N. FUGITIVE DUST EMISSION STANDARDS 39
O. STARTUP, SHUTDOWN, AND MALFUNCTION 39
P. ALTERNATIVE OPERATING SCENARIOS 40
Q. INSPECTION AND ENTRY REQUIREMENTS 40
R. REOPENING FOR CAUSE 40
S. PERMIT AVAILABILITY 41
T. TRANSFER OF PERMITS 41
U. MALFUNCTION AS AN AFFIRMATIVE DEFENSE 41
V. PERMIT REVOCATION OR TERMINATION FOR CAUSE 42
W. DUTY TO SUPPLEMENT OR CORRECT APPLICATION 42
X. STRATOSPHERIC OZONE PROTECTION 43
Y. ASBESTOS REQUIREMENTS 43
Z. ACCIDENTAL RELEASE PREVENTION 43
AA. CHANGES TO PERMITS FOR EMISSIONS TRADING 43
BB. EMISSIONS TRADING 43

I. Facility Information

Permittee
ITG (International Textile Group)
804 Green Valley Rd., Suite 300
Greensboro, NC 27408

Responsible Official
Robert C. Fariole
Director of Corporate Engineering

Facility
ITG/ Burlington Industries LLC – Hurt Plant
797 Main Street
Hurt, Va. 24563

Contact Person
Mike Garlick
Corporate Environmental Engineer
336-379-2941

County-Plant Identification Number: 51-143-00003

Facility Description: NAICS 313311 – Textile Dyeing and Finishing of synthetic, wool, and synthetic/wool blended fabric.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
BL1	BL1	Erie City 'VC' Zurn (Coal fired) 12/29/1977	183 MMBtu/hr	Two Zurn multicyclones with shave off in series.	CDBL1	PM/PM_{10}	02/14/78
BL2	BL2	Babcox & Wilcox FM 117 (Residual oil/natural gas) 1/31/1975	167 MMBtu/hr	N/A	N/A	N/A	01/03/75
BL3	BL3	Keystone (Residual oil/natural gas) 1959	167 MMBtu/hr	N/A	N/A	N/A	NA
Tenter Frames							
TF1	TF-1 a & b	Ichkin	3,900 yds/hr	N/A	N/A	N/A	03/12/01
TF2	TF-2 a & b	Ichkin	3,900 yds/hr	N/A	N/A	N/A	03/12/01
TF3	TF-3 a & b	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF4	TF-4	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF5	TF-5	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF6	TF-6 a & b	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	03/12/01
TF7	TF-7 a & b	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
DR8	DR-8	Santex dryer	2,700 yds/hr	N/A	DR8	Opacity	11/26/91, page 2 of the 11/26/91 permit was

							superseded on 06/30/93
DR-9	DR-9	Relaxed dryer	300 feet/min	N/A	N/A	N/A	01/28/04
TF10	TF-10	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF11	TF-11	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF12	TF-12	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF13	TF-13	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF14	TF-14	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF15	TF-15	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF16	TF-16	Proctor & Schwartz	3,900 yds/hr	N/A	N/A	N/A	
TF17	TF17a & b	Monforts	3,600 yds/hr	N/A	N/A	N/A	11/26/91, page 2 of the 11/26/91 permit was superseded on 06/30/93
TF18	TF18a & b	Monforts (heat input 9.0 MMBtu/hr)	3,600 yds/hr	N/A	N/A	N/A	06/29/93
TF20	TF20a & b	Monforts	3,600 yds/hr	JHK Model 12,000	TF20	Opacity	02/13/98
LP-82 & LP-83	LP82-1 & LP83-1	Morton Machine Company 10 foot low pressure dye becks	113.9 lb/hr	N/A	N/A	N/A	09/30/03
LP-85 & LP-86	LP85-1 & LP86-1	Morton Machine Company 6 foot low pressure dye becks	55.9 lb/hr	N/A	N/A	N/A	09/30/03
CB-1	CB1-1a & CB1-1b	Kenyon carbonizer with dryer	2,000 lb/hr	N/A	N/A	N/A	09/30/03
SG-1	SG1-1	Osthoff flame singer Universal 80	10,800 yards/hr	Cyclone and water spray scrubber combination	SG1-CY & SG1-SC	PM/PM_{10}	09/30/03

Process B							
SS1 & SS2	SS1 & SS2	Sodium sulfate storage silos. SS2 includes an enclosed pneumatic transfer system to SS1 silo.	SS1 - 53.8 tons SS2 – 39 tons	CDSS1 & CDSS2	SS1 & SS2	PM/PM_{10}	06/28/1993
WW	WW	Wastewater treatment	9 MGD	N/A	N/A	N/A	N/A

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements – Erie City Boiler (BL1)

A. Limitations

1. Particulate emissions from the Erie City boiler (BL1) shall be controlled by the use of two Zurn multicyclones with shave off.
(9 VAC 5-80-110 and second paragraph of 02/14/78 Permit)

2. The approved fuel for the Erie City boiler (BL1) is coal. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 7 of 02/14/78 Permit)

3. The average yearly ash content of the coal shall be limited to 7 percent and the sulfur content in the coal shall not exceed 1 percent.
(9 VAC 5-80-110 and Condition 5 of 02/14/78 permit.)

4. Particulate emissions from the coal boiler shall be limited to 0.27 pounds per MMBtu input.
(9 VAC 5-80-110 and Condition 4 of 02/14/78 permit.)

5. Visible Emissions from of the Erie City (BL1) boiler stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60 Appendix A), except during periods of startup, shutdown, or malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

6. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110)

B. Periodic Monitoring

1. At least one time per week an observation of the presence of visible emissions from the BL1 stack shall be made. The presence of visible emissions shall require the permittee to:

   a. take timely corrective action such that the boiler (BL1) resumes operation with no visible emissions, or,

   b. conduct a visible emission evaluation (VEE) on the boiler (BL1) in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue

until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit.

c. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a boiler stack observation log for the boiler to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the boiler has not been operated during the week, it shall be noted in the boiler log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

2. At a frequency not to exceed five (5) years, the permittee shall conduct a stack test for PM from the Erie City (BL1) boiler to demonstrate compliance with the particulate pound per million Btu (heat input) emission limit contained in Condition III.A.4 of this permit. The test shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the South Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30 and 9 VAC 5-80-10 K)

3. For the multicylcones (CDBL1), the permittee shall conduct monitoring as specified in the Compliance Assurance Monitoring (CAM) Plan (Attachment A)
(9 VAC 5-80-110 and 40 CFR 64.6 (c))

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual log of coal consumption (in tons), the F-factor, pollutant-specific emission factors, and emission equations for the boiler (BL1). Annual consumption shall be calculated monthly as the sum of each consecutive twelve (12) month period. The logs shall be kept on site and be made available upon request.

2. The sulfur and ash content for each shipment of coal.

3. The 12 month rolling average ash content of the coal as required by Condition III.A.3.

4. Visual emission observation logs as required by Condition III.B.1

5. Records of malfunctions of equipment which may cause a violation of any part of this permit.

6. Documentation of monitoring required by the CAM Plan (Attachment A).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

IV. Fuel Burning Equipment Requirements – B & W Boiler (BL2)

A. Limitations

1. The approved fuels for the B&W boiler (BL2) are natural gas and #6 residual oil. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and third paragraph of 01/03/1975 Permit)

2. Emissions from the operation of the B & W boiler (BL2) shall not exceed the limits specified below:

Particulate Matter	29.6 lbs/hr at maximum capacity (January 24, 1980 State Air Pollution Control Board letter)	
Sulfur Dioxide	440.9 lbs/hr	(9 VAC 5-40-930)

(9 VAC 5-80-110, 9 VAC 5-50-10 and January 24, 1980 State Air Pollution Control Board letter)

3. Visible Emissions from BL2 boiler stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

4. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the

BL2 stack shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the boiler (BL2) resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the boiler (BL2) emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a boiler stack observation log for the boiler to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the boiler has not been operated during the week, it shall be noted in the boiler log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

   a. The annual throughput of natural gas (in million cubic feet) and #6 fuel oil (in 1000 gallons), the F-factor, pollutant-specific emission factors, and emission equations for the B&W boiler (BL2). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

   b. The sulfur content for each shipment of fuel oil to be burned in the B&W boiler (BL2)

   c. Results of the weekly visual observation of the boiler stack (BL2) as specified in Condition IV.B. of this section, along with any corrective actions.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110)

V. Fuel Burning Equipment Requirements – Keystone Boiler (BL3)

A. Limitations

1. The approved fuels for the Keystone boiler (BL3) are natural gas and #6 fuel oil. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110)

2. Emissions from the operation of the Keystone boilers (BL3) shall not exceed the limits specified below:

Particulate Matter	29.6 lbs/hr at capacity (January 24, 1980 State Air Pollution Control Board letter)	
Sulfur Dioxide	440.9 lbs/hr	(9 VAC 5-40-930)

(9 VAC 5-80-110, 9 VAC 5-40-20 and January 24, 1980 State Air Pollution Control Board letter))

3. Visible Emissions from the Keystone boiler stack (BL3) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

4. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum.
(9 VAC 5-80-110)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the BL3 stack shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the Keystone boiler (BL3) resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the boiler (BL3) in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective

action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a boiler stack observation log for the boiler to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the boiler has not been operated during the week, it shall be noted in the boiler log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The annual throughput of natural gas (in million cubic feet) and #6 fuel oil (in 1000 gallons) and the F-factor, pollutant-specific emission factors, and emission equations for the Keystone boiler (BL3). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

2. The sulfur content for each shipment of fuel oil to be burned in the Keystone boiler (BL3)

3. Results of the weekly visual observation of the boiler stack (B3) as specified in Condition V.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50 and 9 VAC 5-80-110)

VI. Process Equipment Requirements – Tenter Frames (TF1, TF2, and TF6)

A. Limitations

1. The approved fuels for the tenter frames (TF1, TF2, and TF6) are natural gas and propane. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 3 of 3/12/01 Permit)

2. Visible emissions from each of the tenter frame (TF1, TF2, and TF6) exhaust stacks shall not exceed 10 percent opacity as determined by EPA Method 9 (reference 40

CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 5 of 03/12/01 Permit)

3. Emissions from the operation of the tenter frames (TF1, TF2, and TF6) process shall not exceed the limits specified below:

Volatile Organic Compounds	39.4 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110 and Condition 4 of 03/12/01 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the tenter frame (TF1, TF2, and TF6) stacks shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the tenter frame with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the tenter frame (TF1, TF2, and TF6) stack with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 10 percent opacity or less. If any of the observations exceed 10 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the tenter frame resumes operation within the 10 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log for each stack to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the tenter frames have not been operated during the week, it shall be noted in the log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters

necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The monthly and annual VOC emissions to verify compliance with the emission limitation. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

2. Results of the weekly visual observation of the tenter frame stacks (TF1, TF2, and TF6) as specified in Condition VI.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 6 of 03/12/01 Permit)

VII. Process Equipment Requirements – Tenter Frames (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16)

A. Limitations

Visible emissions from the tenter frames (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity as determined by EPA Method 9 (reference 40 CFR 60 Appendix A).
(9 VAC 5-40-80 and 9 VAC 5-80-110)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the tenter frame (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16) stacks shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the tenter frame with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the tenter frame (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16) stack with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the tenter frame resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log for each stack to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the tenter frames have not been operated during the week, it shall be noted in the log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. An annual mass balance to calculate volatile organic compound (VOC) emissions and HAPs from the tenter frames (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16), calculated monthly as the sum of each consecutive twelve month period. These emissions shall be calculated using a material balance on the amount of chemical(s) consumed, taking into account the volatile species present in the chemical(s), the percent volatile by weight of the chemical(s), and assuming 100 percent evaporation of all volatile species. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

2. Results of the weekly visual observation of the tenter frame stacks (TF3, TF4, TF5, TF7, TF10, TF11, TF12, TF13, TF14, TF15, and TF16) as specified in Condition VII.B. of this section, along with any corrective actions.

3. Records of malfunctions of equipment which may cause a violation of any part of this permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

VIII. Process Equipment Requirements – TF17 Monforts Tenter Frame and DR8 Santex dryer

A. Limitations

1. Visible emissions from the tenter frame (TF17) and the Santex dryer (DR8) shall not exceed 10 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 6 of 11/26/91 Permit)

2. Emissions from the operation of the tenter frame (TF17) and the Santex dryer (DR8) process shall not exceed the limits specified below:

Volatile Organic Compounds	20.0* lbs/hr	24.2 tons/yr

* 10.0 lb/hr, each, from the tenter frame and the dryer

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 3 of 06/21/93 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the tenter frame (TF17) and the Santex dryer (DR8) stacks shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the tenter frame (TF17) and the Santex dryer (DR9), with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the tenter frame (TF17) and the Santex dryer (DR8) with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the tenter frame (TF17) and the Santex dryer (DR9) stacks are 10 percent opacity or less. If any of the observations exceed 10 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 10 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the tenter frame (TF17) or the Santex dryer (DR8) has not been operated during the week, it shall be noted in the log book and that a visual observation

was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The monthly and rolling 12-month total of VOC's and HAPs emitted from the tenter frame (TF17) and the Santex dryer (DR8). These figures shall be calculated from the actual usage of process chemicals using appropriate factors for VOC concentration and operating conditions. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

2. Results of the weekly visual observation of the tenter frame (TF17) and Santex dryer (DR8) stacks as specified in Condition VIII.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 4 of 06/21/93 Permit)

IX. Process Equipment Requirements – DR9 Relaxed dryer

A. Limitations

1. Visible emissions from the Relaxed dryer (DR9) stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60 Appendix A), except during periods of startup, shutdown, or malfunction.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

2. Emissions from the operation of the Relaxed Dryer (DR9) process shall not exceed the limits specified below:

Particulate Matter	1.1 lbs/hr	4.9 tons/yr
PM-10	1.1 lbs/hr	4.9 tons/yr
Volatile Organic Compounds	7.2 lbs/hr	31.4 tons/yr

These emissions are derived from the estimated overall emission contribution from

operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition IX.C.1.

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 4 of 01/28/04 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the Relaxed Dryer (DR9) stack shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the Relaxed Dryer (DR9), with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the Relaxed Dryer (DR9) with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the Relaxed Dryer (DR9) stack is 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 20 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for the stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for the stack.

The permittee shall maintain a stack observation log to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the Relaxed Dryer (DR9) has not been operated during the week, it shall be noted in the log book and that a visual observation was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The monthly and annual emissions calculations for VOC and PM/PM10 (including condensable particulate matter) from the Relaxed Dryer (DR-9) using calculation methods approved by the South Central Office to verify compliance with the ton/yr emissions limitations in Condition IX.A.2. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

2. Results of the weekly visual observation of the Relaxed Dryer (DR9) stack as specified in Condition IX.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 4 of 01/28/04 Permit)

X. Process Equipment Requirements –Monforts Tenter Frame (TF18)

A. Limitations

1. Visible emissions from the TF18 Monforts tenter frame shall not exceed 10 percent opacity as determine by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 4 of 06/29/93 Permit)

2. Emissions from the operation of the TF18 Monforts tenter frame shall not exceed the limits specified below:

Volatile Organic Compounds	10.0 lbs/hr	15.0 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 3 of 06/29/93 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the tenter frame (TF18) stacks shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the tenter frame (TF18) resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the tenter frame (TF18) in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the tenter frame (TF18) stacks are 10 percent opacity or less. If any of the observations exceed 10 percent, the observation period shall continue until a total of sixty (60) minutes of observation

have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 10 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the tenter frame (TF18) has not been operated during the week, it shall be noted in the log book and that a visual observation was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The monthly and rolling 12-month total of VOC's emitted from the tenter frame. These figures shall be calculated from the actual usage of process chemicals using appropriate factors for VOC concentration and operating conditions (including, but not limited to blend usage rate and formulation). The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

2. Results of the weekly visual observation of the tenter frame stacks (TF18a and b) as specified in Condition X.B . of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
9 VAC 5-80-110 and Condition 6 of 06/29/93 Permit)

XI. Process Equipment Requirements –Monforts Tenter Frame (TF20)

A. Limitations

1. The approved fuels for the Monforts tenter frame (TF20) are natural gas and propane. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 4 of 04/03/01 Permit)

2. Visible emissions from the Monforts tenter frame (TF20) shall not exceed 5 percent opacity when the fume oxidizer is operating and ten (10) percent opacity when the

fume oxidizer is not in operation, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-80-110 and Condition 6 of 04/03/01 Permit)

3. Emissions from the operation of the tenter frame (TF20) shall not exceed the limits specified below:

Volatile Organic Compounds	39 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period

(9 VAC 5-80-110 and Condition 5 of 04/03/01 Permit)

4. In order to comply with the emissions limit set forth in Condition Number XI.A.3, VOC emissions from the Monforts tenter frame (TF20) may be controlled by a fume oxidizer. If operated to achieve compliance with the emissions limit in Condition Number X.A.3, the fume oxidizer, except during start up, shutdown, and malfunction, shall maintain a minimum temperature of 1,100 ˚F and shall be equipped with a device to continuously measure and record the operating temperature. The continuous temperature monitoring system shall, as a minimum, be maintained and calibrated in accordance with the manufacturer's recommendations. The control efficiency of the fume oxidizer shall be 75 percent or greater. The fume oxidizer shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 3 of 04/03/01 Permit

5. The permittee shall furnish notification to the South Central Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours of the malfunction. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of the occurrence. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify South Central Regional Office in writing.
(9 VAC 5-80-110 and Condition 10 of 04/03/01 Permit)

6. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110 and Condition 12 of 04/03/01 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the Monforts tenter frame (TF20) stack shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the tenter frame (TF20) resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the fabric with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the tenter frame (TF20) stack are 5 percent opacity or less, when the fume oxidizer is in operation. When the fume oxidizer is not in operation the opacity shall be less than 10 percent. If any of the observations exceed 5 percent (when the fume oxidizer is in operation) or 10 percent when the fume oxidizer in not in operation, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 5 percent opacity limit, when the fume oxidizer is in operation or 10 percent when the fume oxidizer is not in operation.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the tenter frame (TF20) has not been operated during the week, it shall be noted in the log book and that a visual observation was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. The annual uncontrolled emissions of VOCs from the Monforts tenter frame (TF20) when the fume oxidizer is not operating or operating at a temperature less than 1,100ºF, calculated monthly as the sum of the most recent 12 month period, including the finish style or recipe and corresponding VOC emission rate for each finish style or recipe processed in the Montforts tenter frame. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

2. The annual controlled emissions of VOCs from the Montforts tenter frame (TF20) when the fume oxidizer is operating at 1,100ºF or greater, calculated monthly as the sum of the most recent 12 month period, including the finish style or recipe and corresponding VOC emission rate for each finish style or recipe processed in the Montforts tenter frame. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation.

3. The sum of the annual uncontrolled and controlled emissions of VOCs from the Montforts tenter frame (TF20), calculated monthly as the sum of the most recent 12 month period; and

4. Documentation of the fume oxidizer operating schedule, including the operating temperature at the start of each finish style run, and for each hour of operation.

5. Results of the weekly visual observation of the tenter frame (TF20) stack as specified in Condition XI.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 7 of 04/03/01 Permit)

XII. Process Equipment Requirements – SS1 and SS2 Sodium Sulfate Storage

A. Limitations

1. Particulate emissions from the storage silo vents shall be controlled by fabric filters. The fabric filters shall be provided with adequate access for inspection. The fabric filters shall be equipped with devices to continuously measure the differential pressure drop across the fabric filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working

order at all times.
(9 VAC 5-80-110 and Condition 3 of 06/28/93 Permit)

2. Particulate emissions from the loadout discharge of the storage silo (Ref. No. 09-01) shall be controlled by wet suppression and total enclosure (mixing tank). The mixing tank shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 4 of 06/28/93 Permit)

3. The annual usage of sodium sulfate shall not exceed 6,000 tons, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 5 of 06/28/93 Permit)

4. Visible emissions from the fabric filters shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 6 of 06/28/93 Permit)

5. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment, the permittee shall:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

   b. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns.

   (9 VAC 5-80-110 and Condition 12 of 06/28/93 Permit)

6. If, for any reason, the permitted facility or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the South Central Regional Office within four (4) business hours of the occurrence. In addition, the owner shall provide a written statement, within fourteen (14) days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shut down.
(9 VAC 5-80-110 and Condition 11 of 06/28/93 Permit)

7. The permittee shall have available written operating procedures for the related air pollution control equipment. Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at minimum. The permittee shall maintain records of training provided including names of trainees, date of training and nature of training.
(9 VAC 5-80-110 and Condition 13 of 06/28/93 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the fabric filters shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the fabric filter, with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the fabric filter with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the fabric filter are 5 percent opacity or less. If any of the observations exceed 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 5 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a fabric filter observation log to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the fabric filters have not been operated during the week, it shall be noted in the log book and that a visual observation was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

1. Annual throughput of sodium sulfate, calculated monthly as the sum of each consecutive twelve (12) month period.

2. Results of the weekly visual observation of the fabric filter stacks (SS1 and SS2) as specified in Condition XII.B. of this section, along with any corrective actions.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110 and Condition 8 of 06/28/93 Permit)

XIII. Process Equipment Requirements – Wastewater Treatment (WW)

A. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to an annual mass balance to calculate volatile organic compound and hazardous air pollutant (HAP) emissions from the wastewater treatment process, calculated monthly as the sum of each consecutive 12 month period. The emissions shall be calculated using a material balance on the amount of materials (volatile organic compounds and HAPs) consumed. The permittee will keep records of the equations, certified product data sheets or equivalent references, emission equations, and all supporting documentation. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

XIV. Process Equipment Requirements – (Fabric Finishing)

A. Limitations

1. Particulate emissions from the flame singeing (SG-1) lint removal process shall be controlled by a cyclone (SG1-CY). The cyclone shall be provided with adequate access for inspection and shall be in operation when the singeing process is operating.
(9 VAC 5-80-110 and Condition 3 of 09/30/03 Permit)

2. Particulate emissions from the flame singeing (SG-1) burnt fiber removal process shall be controlled by a water spray scrubber (SG1-SC). The water spray scrubber shall be provided with adequate access for inspection and shall be in operation when the singeing process is operating.
(9 VAC 5-80-110 and Condition 4 of 09/30/03 Permit)

3. The flame singer (SG-1) water spray scrubber (SG1-SC) shall be equipped with a device to continuously measure water flow of water to the sprays. The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. The monitoring device shall be provided with adequate access for inspection and shall be in operation when the flame singer is operating.
(9 VAC 5-80-110 and Condition 5 of 09/30/03 Permit)

4. The approved fuels for the flame singer (SG-1) natural gas and propane. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 6 of 09/30/03 Permit)

5. Emissions from the operation of the low pressure dye beck system (LP-82, LP-83, LP-85 and LP-86) shall not exceed the limits specified below:

Volatile Organic	110.7 lbs/hr	36.4 tons/yr

Compounds

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number XIV.C.1.a.
(9 VAC 5-80-110 and Condition 7 of 09/30/03 Permit)

6. Emissions from the operation of the Kenyon carbonizer (CB-1) with dryer shall not exceed the limits specified below:

Particulate Matter	2.3 lbs/hr	9.9 tons/yr
PM-10	2.3 lbs/hr	9.9 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number XIV.C.1.b.
(9 VAC 5-80-110 and Condition 8 of 09/30/03 Permit)

7. Emissions from the operation of the flame singer (SG-1) shall not exceed the limits specified below:

Particulate Matter	0.3 lbs/hr	1.4 tons/yr
PM-10	0.3 lbs/hr	1.4 tons/yr

Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number XIV.C.1.c.
(9 VAC 5-80-110 and Condition 9 of 09/30/03 Permit)

8. Visible emissions from the flame singer (SG1-1) and carbonizer (CB1-1b) stacks shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110 and Condition 10 of 09/30/03 Permit)

9. The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-80-110 and Condition 15 of 09/30/03 Permit)

10. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Maintain an inventory of spare parts.

    c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

    d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

    Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
    (9 VAC 5-80-110 and Condition 16 of 09/30/03 Permit)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the singer (SG1-1) and the carbonizer (CB1-1a and CB1-1b) stacks shall be made. The presence of visible emissions shall require the permittee to:

1. take timely corrective action such that the singer (SG-1) and the carbonizer (CB-1), with visible emissions, resumes operation with no visible emissions, or,

2. conduct a visible emission evaluation (VEE) on the singer (SG1-1) and the carbonizer (CB1-1a and CB1-1b) stacks with visible emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the singer (SG1-1) and the carbonizer (CB1-1a and CB1-1b) stacks are 5 percent opacity or less. If any of the observations exceed 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 5 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular stack, the permittee may reduce the monitoring frequency to once per month for that stack. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

The permittee shall maintain a stack observation log to demonstrate compliance. The logs shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the singer (SG-1) and the carbonizer (CB-1) have not been operated during the week, it shall be noted in the log book and that a visual observation was not required
(9 VAC 5-80-110 E)

C. Recordkeeping

1. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Region Office. These records shall include, but are not limited to:

   a. Monthly and annual emissions calculations for VOC from the low pressure dye becks (LP-82, LP-83, LP-85 and LP-86) using calculation methods approved by the South Central Region Office to verify compliance with the ton/yr emissions limitations in Condition XIV.A.5. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

   b. Monthly and annual emissions calculations for VOC from the Kenyon carbonizer (CB-1) using calculation methods approved by the South Central Region Office to verify compliance with the ton/yr emissions limitations in Condition XIV.A.6. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

   c. Monthly and annual emissions calculations for VOC from the flame singer (SG-1) using calculation methods approved by the South Central Region Office to verify compliance with the ton/yr emissions limitations in Condition XIV.A.7. Annual emissions shall be calculated monthly as the sum of each consecutive 12 month period.

   d. Records of maintenance and training.

   e. Results of the weekly visual observation of the singer (SG1-1) and the carbonizer (CB1-1a and CB1-1b) stacks as specified in Condition XIV.B. of this section, along with any corrective actions.

   These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-110 and Condition 11 of 09/30/03 Permit)

XV. MACT Conditions For Fabric and Textile Dyeing and Finishing Operations

A. Limitations

1. Except where this permit is more restrictive than the applicable requirements, the dyeing and finishing operations shall be operated in compliance with the requirements of 40 CFR 63, Subpart OOOO-National Emission Standards for Hazardous Air Pollutant: Printing, Coating, and Dyeing of Fabrics and Other Textiles. (9 VAC 5-80-110)

2. The dyeing and finishing operations shall be operated in compliance with the emissions limitations of 40 CFR 63 Subpart OOOO, Section 63.4290. (9 VAC 5-80-110 and 63.4290)

3. A demonstration that the dyeing and finishing operations is in initial compliance with the emissions limitation shall be conducted per 40 CFR 63.4330. (9 VAC 5-80-110 and 63.4330)

4. Demonstration that the dyeing and finishing operations is in continuous compliance with the emissions limitation shall be conducted per 40 CFR 63.4332. (9 VAC 5-80-110 and 63.4332)

B. Notifications

The dyeing and finishing operations shall be operated in compliance with the notification requirements of 40 CFR 63.4310 and 40 CFR 63 Subpart A.
(9 VAC 5-80-110, 63.4310, and 40 CFR 63 Subpart A)

C. Reporting Requirements

The dyeing and finishing operations shall be operated in compliance with the reporting requirements of 40 CFR 63.4311 and 40 CFR 63 Subpart A.
(9 VAC 5-80-110, 63.4311, and 40 CFR 63 Subpart A)

D. Recordkeeping

The dyeing and finishing operations shall be operated in compliance with the recordkeeping requirements of 40 CFR 63.4312 and 40 CFR 63 Subpart A.
(9 VAC 5-80-110, 63.4312, and 40 CFR 63 Subpart A)

XVI. Facility Wide Conditions for Hazardous Air Pollutant Emission

Unless the permittee obtains federally enforceable limits on its facility-wide emissions of hazardous air pollutants (HAPs) to below major-source thresholds prior to the specified date, the following federal requirements, derived from 40 CFR Part 63, will apply. For each standard,

"requirements" include all control, operational, work practice, monitoring, recordkeeping, reporting, and testing requirements, as applicable

A. Limitations

1. Except where this permit is more restrictive, on September 13, 2007, the boilers (BL1, BL2, and BL3) and process heaters shall comply with the requirements of 40 CFR Part 63 Subpart DDDDD (Industrial, Commercial, and Institutional Boilers and Process Heaters NESHAP).
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart DDDDD)

XVII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
SF	Surface Finishing including singer	5-80-720 B.1.	PM	< 5.0 tons/yr
ST1	Varsol storage tank	5-80-720 B.2.	VOC	10,000 gal.
ST2	Acetic acid storage tank	5-80-720 B.2.	VOC	5,200 gal.
ST3	Empty	5-80-720 B.2.	VOC	10,000 gal.
ST4	Surfactant	5-80-720 B.2.	VOC	10,000 gal.
ST5	Defoamer	5-80-720 B.2.	VOC	10,000 gal.
ST6	Surfactant	5-80-720 B.2.	VOC	11,000 gal.
ST7	#6 Fuel oil storage tank	5-80-720 B.2.	VOC	200,000 gal.
ST8	Diesel fuel storage tank	5-80-720 B.2.	VOC	275 gal.
ST9	Gasoline storage tank	5-80-720 B.2.	VOC	275 gal.
ST10	Diesel fuel storage tank	5-80-720 B.2.	VOC	360 gal.
ST11	Diesel fuel storage tank	5-80-720 B.2.	VOC	160 gal.
ST12	Diesel fuel storage tank	5-80-720 B.2.	VOC	300 gal.
ST13	Waste oil storage tank	5-80-720 B.2.	VOC	425 gal.
LH	Lint houses (2)	5-80-720 B.1.	PM	< 5 ton/yr
BO1	Boil-Off Washer #1	5-80-720 B.2.	VOC	< 5 ton/yr
BO2	Boil-Off Washer #2	5-80-720 B.2.	VOC	< 5 ton/yr
BO3	Boil-Off Washer #3	5-80-720 B.2.	VOC	< 5 ton/yr
BO4	Boil-Off Washer #4	5-80-720 B.2.	VOC	< 5 ton/yr
SE1	Diesel fire pump	5-80-720 A.26.	NO_x	130 hp
SE2	Diesel generator	5-80-720 C.4.b.	NO_x	110 Kw
SE3	LP gas generator	5-80-720 C.4.d.	NO_x	35 Kw

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XVIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIX. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation

of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records

and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be sent to EPA at the following address:

   Clean Air Act Title V Compliance Certification (3AP00)
   U. S. Environmental Protection Agency, Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029.
   (9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, South Central Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XIX.C.3 of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, South Central Regional Office.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-40-20 E and 9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1. (9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state

requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

b. The permitted facility was at the time being properly operated.

c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

e. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

f. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)